



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP56465_P050-HRP
Product Page	<a href="http://www.avivasysbio.com/psmb4-antibody-middle-region-hrp-arp56465-p050-hrp.html">www.avivasysbio.com/psmb4-antibody-middle-region-hrp-arp56465-p050-hrp.html</a>
Name	PSMB4 Antibody - middle region : HRP (ARP56465_P050-HRP)
Protein Size (# AA)	264 amino acids
Molecular Weight	29kDa
Subunit	beta type-4
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	5692
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Proteasome (prosome, macropain) subunit, beta type, 4
Alias Symbols	HN3, HsN3, PRAAS3, PROS26, PROS-26
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">YLKQVLGQMVIDEELLGDGHSYPRAIHSWLTRAMYSRRSKMNPLWNTMV</a>
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Wong,M.L., (er) Mol. Psychiatry (2008) In press
Description of Target	<p>The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. PSMB4 is a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit.</p> <p>Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p>
Protein Interactions	FSD2; UBC; PSMA3; PSMD14; PSMD9; PSMC5; PSMA5; HNRNPA1; PSMG3; POMP; RPP38; PSMB8; PSMB7; PSMB6; PSMB5; PSMB3; PSMB2; PSMB1; PSMA7; PSMA6; PSMA4; PSMA1; KIF5B; HNRNPA2B1; EPB41L1; DDB2; PSMA2; PARK2; BAG3; PRKCA; SMAD1; CFTR; IQCB1; SULT1A4; PSMA8; SYAP1;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for <a href="#">anti-PSMB4 (ARP56465_P050-HRP) antibody</a>
Blocking Peptide	For anti-PSMB4 (ARP56465_P050-HRP) antibody is <a href="#">Catalog # AAP56465</a> (Previous Catalog # AAPP35410)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PSMB4
Uniprot ID	<a href="#">P28070</a>
Protein Name	Proteasome subunit beta type-4
Protein Accession #	<a href="#">NP_002787</a>

<b>Purification</b>	Affinity Purified
<b>Nucleotide Accession #</b>	<a href="#">NM_002796</a>
<b>Gene Symbol</b>	<a href="#">PSMB4</a>
<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 92%
<b>Image 1</b>	

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This product is for Research Use Only. Not for diagnostic, human, or veterinary use.  
Optimal conditions of its use should be determined by end users.

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